

Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
L1	146227	(synthetic or variant or modif\$ or alter\$) near5 (gene\$1 or sequence\$1 or nucleic acid\$1 or polynucleotide\$1 or dna)	US-PGPUB; USPAT	ADJ	OFF	2005/12/07 12:40
L2	5499	codon near3 (choice\$1 or preference\$1 or select\$)	US-PGPUB; USPAT	ADJ	OFF	2005/12/07 12:41
L3	62558	(transcription factor\$1 or splice or promoter\$1 or polyadenylat\$ or polyA) near5 (site\$1 or sequence\$1)	US-PGPUB; USPAT	ADJ	OFF	2005/12/07 15:33
L4	264	1 same 2 same 3	US-PGPUB; USPAT	ADJ	OFF	2005/12/07 12:42
L5	7548	(transcription factor\$1) near5 (site\$1 or sequence\$1)	US-PGPUB; USPAT	ADJ	OFF	2005/12/07 16:11
L6	5	5 same 2	US-PGPUB; USPAT	ADJ	OFF	2005/12/07 16:12
L7	25730	(transcription factor\$1)	US-PGPUB; USPAT	ADJ	OFF	2005/12/07 16:11
L8	6	7 same 2	US-PGPUB; USPAT	ADJ	OFF	2005/12/07 16:12

8/24/00

FILE 'HOME' ENTERED AT 16:16:07 ON 07 DEC 2005

FILES 'MEDLINE, SCISEARCH, LIFESCI, BIOTECHDS, BIOSIS, EMBASE, HCAPLUS, NTIS,
ESBIOBASE, BIOTECHNO, WPIDS' ENTERED AT 16:16:36 ON 07 DEC 2005
ALL COPYRIGHTS AND RESTRICTIONS APPLY. SEE HELP USAGETERMS FOR DETAILS.

11 FILES IN THE FILE LIST

=> s (synthetic or variant# or modif? or alter?) (5a) (gene/q or nucleic acid# or polynucleotide# or dna)

FILE 'MEDLINE'

L1 68418 (SYNTHETIC OR VARIANT# OR MODIF? OR ALTER?) (5A) (GENE/Q OR NUCLEIC ACID# OR POLYNUCLEOTIDE# OR DNA)

FILE 'SCISEARCH'

166145 SYNTHETIC
120194 VARIANT#
532232 MODIF?
698138 ALTER?
35470 NUCLEIC
1283465 ACID#
34980 NUCLEIC ACID#
 (NUCLEIC(W)ACID#)
4218 POLYNUCLEOTIDE#
585166 DNA
62723 (SYNTHETIC OR VARI

L2 62723 (SYNTHETIC OR VARIANT# OR MODIF? OR ALTER?) (5A) (GENE/Q OR NUCLEIC ACID# OR POLYNUCLEOTIDE# OR DNA)

FILE 'LIFESCI'

40588 SYNTHETIC
36917 VARIANT#
99276 MODIF?
186361 ALTER?
13426 "NUCLEIC"
330476 ACID#
13258 NUCLEIC ACID#
 ("NUCLEIC" (W) ACID#)
2053 POLYNUCLEOTIDE#
269500 DNA
34384 (SYNTHETIC OR VARIANT
 C ACID# OR POLYNUCLEO

L3 34384 (SYNTHETIC OR VARIANT# OR MODIF? OR ALTER?) (5A) (GENE/Q OR NUCLEIC ACID# OR POLYNUCLEOTIDE# OR DNA)

FILE 'BIOTECHDS'

13854 SYNTHETIC
14976 VARIANT#
36784 MODIF?
28976 ALTER?

46833 NUCLEIC
145191 ACID#
46746 NUCLEIC ACID#
 (NUCLEIC(W)ACID#)
19953 POLYNUCLEOTIDE#
137573 DNA
L4 22707 (SYNTHETIC OR VARIANT# OR MODIF? OR ALTER?) (5A) (GENE/Q OR NUCLEI
C ACID# OR POLYNUCLEOTIDE# OR DNA)

FILE 'BIOSIS'
198880 SYNTHETIC
111254 VARIANT#
388701 MODIF?
688547 ALTER?
51715 NUCLEIC
1372587 ACID#
51104 NUCLEIC ACID#
 (NUCLEIC(W)ACID#)
7278 POLYNUCLEOTIDE#
1105056 DNA
L5 74868 (SYNTHETIC OR VARIANT# OR MODIF? OR ALTER?) (5A) (GENE/Q OR NUCLEI
C ACID# OR POLYNUCLEOTIDE# OR DNA)

FILE 'EMBASE'
111167 SYNTHETIC
94859 VARIANT#
352778 MODIF?
645174 ALTER?
36016 "NUCLEIC"
1390439 ACID#
35718 NUCLEIC ACID#
 ("NUCLEIC" (W)ACID#)
3827 POLYNUCLEOTIDE#
621019 DNA
L6 61302 (SYNTHETIC OR VARIANT# OR MODIF? OR ALTER?) (5A) (GENE/Q OR NUCLEI
C ACID# OR POLYNUCLEOTIDE# OR DNA)

FILE 'HCAPLUS'
576955 SYNTHETIC
107935 VARIANT#
948060 MODIF?
868654 ALTER?
176530 NUCLEIC
4557288 ACID#
175538 NUCLEIC ACID#
 (NUCLEIC(W)ACID#)
20839 POLYNUCLEOTIDE#
746698 DNA
L7 106675 (SYNTHETIC OR VARIANT# OR MODIF? OR ALTER?) (5A) (GENE/Q OR NUCLEI
C ACID# OR POLYNUCLEOTIDE# OR DNA)

FILE 'NTIS'
19072 SYNTHETIC
4615 VARIANT#
97541 MODIF?
92104 ALTER?
1826 NUCLEIC
55104 ACID#
1810 NUCLEIC ACID#
 (NUCLEIC(W)ACID#)
134 POLYNUCLEOTIDE#
9223 DNA
L8 1439 (SYNTHETIC OR VARIANT# OR MODIF? OR ALTER?) (5A) (GENE/Q OR NUCLEI
C ACID# OR POLYNUCLEOTIDE# OR DNA)

FILE 'ESBIOBASE'
42729 SYNTHETIC
45019 VARIANT#
155989 MODIF?
253324 ALTER?
26233 NUCLEIC
384874 ACID#
26108 NUCLEIC ACID#
(NUCLEIC(W)ACID#)
873 POLYNUCLEOTIDE#
272785 DNA
L9 42921 (SYNTHETIC OR VARIANT# OR MODIF? OR ALTER?) (5A) (GENE/Q OR NUCLEI
C ACID# OR POLYNUCLEOTIDE# OR DNA)

FILE 'BIOTECHNO'
41250 SYNTHETIC
41198 VARIANT#
86734 MODIF?
148127 ALTER?
19939 NUCLEIC
371908 ACID#
19837 NUCLEIC ACID#
(NUCLEIC(W)ACID#)
1566 POLYNUCLEOTIDE#
388151 DNA
L10 41298 (SYNTHETIC OR VARIANT# OR MODIF? OR ALTER?) (5A) (GENE/Q OR NUCLEI
C ACID# OR POLYNUCLEOTIDE# OR DNA)

FILE 'WPIDS'
222790 SYNTHETIC
26857 VARIANT#
280336 MODIF?
444897 ALTER?
58494 NUCLEIC
963056 ACID#
58224 NUCLEIC ACID#
(NUCLEIC(W)ACID#)
24969 POLYNUCLEOTIDE#
67823 DNA
L11 24079 (SYNTHETIC OR VARIANT# OR MODIF? OR ALTER?) (5A) (GENE/Q OR NUCLEI
C ACID# OR POLYNUCLEOTIDE# OR DNA)

TOTAL FOR ALL FILES
L12 540814 (SYNTHETIC OR VARIANT# OR MODIF? OR ALTER?) (5A) (GENE/Q OR NUCLEI
C ACID# OR POLYNUCLEOTIDE# OR DNA)

=>
=> s codon(3a) (choice# or preference# or select?)
FILE 'MEDLINE'
36464 CODON
132723 CHOICE#
48891 PREFERENCE#
696602 SELECT?
L13 483 CODON(3A) (CHOICE# OR PREFERENCE# OR SELECT?)

FILE 'SCISEARCH'
26289 CODON
130219 CHOICE#
66819 PREFERENCE#
901074 SELECT?
L14 466 CODON(3A) (CHOICE# OR PREFERENCE# OR SELECT?)

FILE 'LIFESCI'

14888 CODON
21235 CHOICE#
29820 PREFERENCE#
219247 SELECT?
L15 353 CODON(3A) (CHOICE# OR PREFERENCE# OR SELECT?)

FILE 'BIOTECHDS'
5509 CODON
1567 CHOICE#
941 PREFERENCE#
69380 SELECT?
L16 139 CODON(3A) (CHOICE# OR PREFERENCE# OR SELECT?)

FILE 'BIOSIS'
30041 CODON
80708 CHOICE#
63935 PREFERENCE#
737169 SELECT?
L17 522 CODON(3A) (CHOICE# OR PREFERENCE# OR SELECT?)

FILE 'EMBASE'
29209 CODON
116614 CHOICE#
41399 PREFERENCE#
635973 SELECT?
L18 397 CODON(3A) (CHOICE# OR PREFERENCE# OR SELECT?)

FILE 'HCAPLUS'
35766 CODON
87197 CHOICE#
43668 PREFERENCE#
1218386 SELECT?
L19 752 CODON(3A) (CHOICE# OR PREFERENCE# OR SELECT?)

FILE 'NTIS'
92 CODON
19615 CHOICE#
4936 PREFERENCE#
165993 SELECT?
L20 2 CODON(3A) (CHOICE# OR PREFERENCE# OR SELECT?)

FILE 'ESBIOBASE'
15204 CODON
35822 CHOICE#
21565 PREFERENCE#
284439 SELECT?
L21 290 CODON(3A) (CHOICE# OR PREFERENCE# OR SELECT?)

FILE 'BIOTECHNO'
21971 CODON
8409 CHOICE#
7785 PREFERENCE#
148138 SELECT?
L22 314 CODON(3A) (CHOICE# OR PREFERENCE# OR SELECT?)

FILE 'WPIDS'
2918 CODON
28417 CHOICE#
7521 PREFERENCE#
1083851 SELECT?
L23 101 CODON(3A) (CHOICE# OR PREFERENCE# OR SELECT?)

TOTAL FOR ALL FILES
L24 3819 CODON(3A) (CHOICE# OR PREFERENCE# OR SELECT?)

=> S 112 and 124
FILE 'MEDLINE'
L25 45 L1 AND L13

FILE 'SCISEARCH'
L26 33 L2 AND L14

FILE 'LIFESCI'
L27 25 L3 AND L15

FILE 'BIOTECHDS'
L28 48 L4 AND L16

FILE 'BIOSIS'
L29 40 L5 AND L17

FILE 'EMBASE'
L30 34 L6 AND L18

FILE 'HCAPLUS'
L31 92 L7 AND L19

FILE 'NTIS'
L32 0 L8 AND L20

FILE 'ESBIOBASE'
L33 29 L9 AND L21

FILE 'BIOTECHNO'
L34 23 L10 AND L22

FILE 'WPIDS'
L35 42 L11 AND L23

TOTAL FOR ALL FILES
L36 411 L12 AND L24

=> S (transcription factor# or splice or poly(w)'a' or polyadenylat? or promoter) (5a) (site# or sequence#) (15a) (reduc? or lower? or decreas?)
FILE 'MEDLINE'
258943 TRANSCRIPTION
2348595 FACTOR#
111751 TRANSCRIPTION FACTOR#
(TRANSCRIPTION(W) FACTOR#)
13839 SPLICE
60811 POLY
8462438 'A'
7064 POLYADENYLAT?
114212 PROMOTER
709117 SITE#
772867 SEQUENCE#
1242834 REDUC?
697367 LOWER?
989197 DECREAS?
L37 1072 (TRANSCRIPTION FACTOR# OR SPLICE OR POLY(W) 'A' OR POLYADENYLAT?
OR PROMOTER) (5A) (SITE# OR SEQUENCE#) (15A) (REDUC? OR LOWER? OR
DECREAS?)

FILE 'SCISEARCH'
206396 TRANSCRIPTION
1427129 FACTOR#
81271 TRANSCRIPTION FACTOR#
(TRANSCRIPTION(W) FACTOR#)

15335 SPLICE
173218 POLY
10710218 'A'
5640 POLYADENYLAT?
116143 PROMOTER
764316 SITE#
625557 SEQUENCE#
1433721 REDUC?
807568 LOWER?
1005491 DECREAS?
L38 940 (TRANSCRIPTION FACTOR# OR SPLICE OR POLY(W) 'A' OR POLYADENYLAT?
OR PROMOTER) (5A) (SITE# OR SEQUENCE#) (15A) (REDUC? OR LOWER? OR
DECREAS?)

FILE 'LIFESCI'
107369 "TRANSCRIPTION"
316139 FACTOR#
38065 TRANSCRIPTION FACTOR#
("TRANSCRIPTION" (W) FACTOR#)
6964 SPLICE
18239 POLY
2164188 'A'
4385 POLYADENYLAT?
61623 PROMOTER
275365 SITE#
278853 SEQUENCE#
306565 REDUC?
150381 LOWER?
233423 DECREAS?
L39 983 (TRANSCRIPTION FACTOR# OR SPLICE OR POLY(W) 'A' OR POLYADENYLAT?
OR PROMOTER) (5A) (SITE# OR SEQUENCE#) (15A) (REDUC? OR LOWER? OR
DECREAS?)

FILE 'BIOTECHDS'
18133 TRANSCRIPTION
40511 FACTOR#
2710 TRANSCRIPTION FACTOR#
(TRANSCRIPTION (W) FACTOR#)
1512 SPLICE
7435 POLY
362448 'A'
1755 POLYADENYLAT?
34602 PROMOTER
38802 SITE#
116670 SEQUENCE#
51930 REDUC?
18572 LOWER?
25061 DECREAS?
L40 211 (TRANSCRIPTION FACTOR# OR SPLICE OR POLY(W) 'A' OR POLYADENYLAT?
OR PROMOTER) (5A) (SITE# OR SEQUENCE#) (15A) (REDUC? OR LOWER? OR
DECREAS?)

FILE 'BIOSIS'
227433 TRANSCRIPTION
1311229 FACTOR#
71496 TRANSCRIPTION FACTOR#
(TRANSCRIPTION (W) FACTOR#)
14693 SPLICE
143489 POLY
8224441 'A'
7834 POLYADENYLAT?
123104 PROMOTER
724935 SITE#
560373 SEQUENCE#

1277240 REDUC?
758874 LOWER?
1099843 DECREAS?
L41 1088 (TRANSCRIPTION FACTOR# OR SPLICE OR POLY(W) 'A' OR POLYADENYLAT?
OR PROMOTER) (5A) (SITE# OR SEQUENCE#) (15A) (REDUC? OR LOWER? OR
DECREAS?)

FILE 'EMBASE'
245233 "TRANSCRIPTION"
1241098 FACTOR#
73472 TRANSCRIPTION FACTOR#
("TRANSCRIPTION" (W) FACTOR#)
12242 SPLICE
52423 POLY
7318012 'A'
7252 POLYADENYLAT?
98071 PROMOTER
588096 SITE#
555528 SEQUENCE#
1172710 REDUC?
643641 LOWER?
925132 DECREAS?
L42 947 (TRANSCRIPTION FACTOR# OR SPLICE OR POLY(W) 'A' OR POLYADENYLAT?
OR PROMOTER) (5A) (SITE# OR SEQUENCE#) (15A) (REDUC? OR LOWER? OR
DECREAS?)

FILE 'HCAPLUS'
298758 TRANSCRIPTION
1493559 FACTOR#
147641 TRANSCRIPTION FACTOR#
(TRANSCRIPTION (W) FACTOR#)
17560 SPLICE
653293 POLY
19348706 'A'
11357 POLYADENYLAT?
166905 PROMOTER
918124 SITE#
797684 SEQUENCE#
2001993 REDUC?
873983 REDN
2480876 REDUC?
(REDUC? OR REDN)
1394021 LOWER?
2223113 DECREAS?
L43 1556 (TRANSCRIPTION FACTOR# OR SPLICE OR POLY(W) 'A' OR POLYADENYLAT?
OR PROMOTER) (5A) (SITE# OR SEQUENCE#) (15A) (REDUC? OR LOWER? OR
DECREAS?)

FILE 'NTIS'
1946 TRANSCRIPTION
149590 FACTOR#
455 TRANSCRIPTION FACTOR#
(TRANSCRIPTION (W) FACTOR#)
479 SPLICE
5636 POLY
1681299 'A'
13 POLYADENYLAT?
1033 PROMOTER
124798 SITE#
28716 SEQUENCE#
181922 REDUC?
67970 LOWER?
52138 DECREAS?
L44 0 (TRANSCRIPTION FACTOR# OR SPLICE OR POLY(W) 'A' OR POLYADENYLAT?)

OR PROMOTER) (5A) (SITE# OR SEQUENCE#) (15A) (REDUC? OR LOWER? OR DECREAS?)

FILE 'ESBIOBASE'
119145 TRANSCRIPTION
464688 FACTOR#
52558 TRANSCRIPTION FACTOR#
(TRANSCRIPTION(W) FACTOR#)
9003 SPLICE
18691 POLY
2473497 'A'
2846 POLYADENYLAT?
63099 PROMOTER
479302 SITE#
257053 SEQUENCE#
455178 REDUC?
249570 LOWER?
360002 DECREAS?
L45 1053 (TRANSCRIPTION FACTOR# OR SPLICE OR POLY(W) 'A' OR POLYADENYLAT?
OR PROMOTER) (5A) (SITE# OR SEQUENCE#) (15A) (REDUC? OR LOWER? OR
DECREAS?)

FILE 'BIOTECHNO'
160885 TRANSCRIPTION
296524 FACTOR#
41412 TRANSCRIPTION FACTOR#
(TRANSCRIPTION (W) FACTOR#)
8894 SPLICE
21682 POLY
1454372 'A'
5860 POLYADENYLAT?
72959 PROMOTER
222731 SITE#
375038 SEQUENCE#
232937 REDUC?
106436 LOWER?
171676 DECREAS?
L46 1101 (TRANSCRIPTION FACTOR# OR SPLICE OR POLY (W) 'A' OR POLYADENYLAT?
OR PROMOTER) (5A) (SITE# OR SEQUENCE#) (15A) (REDUC? OR LOWER? OR
DECREAS?)

FILE 'WPIDS'
14219 TRANSCRIPTION
165106 FACTOR#
2377 TRANSCRIPTION FACTOR#
(TRANSCRIPTION (W) FACTOR#)
10174 SPLICE
162687 POLY
2079914 'A'
1006 POLYADENYLAT?
34615 PROMOTER
128605 SITE#
258843 SEQUENCE#
2194742 REDUC?
61104 REDN
2220158 REDUC?
(REDUC? OR REDN)
1227127 LOWER?
229814 DECREAS?
L47 162 (TRANSCRIPTION FACTOR# OR SPLICE OR POLY (W) 'A' OR POLYADENYLAT?
OR PROMOTER) (5A) (SITE# OR SEQUENCE#) (15A) (REDUC? OR LOWER? OR
DECREAS?)

TOTAL FOR ALL FILES

L48 9113 (TRANSCRIPTION FACTOR# OR SPLICE OR POLY(W) 'A' OR POLYADENYLAT?
OR PROMOTER) (5A) (SITE# OR SEQUENCE#) (15A) (REDUC? OR LOWER? OR
DECREAS?)

=> S 112(15a)148
FILE 'MEDLINE'
L49 19 L1 (15A)L37

FILE 'SCISEARCH'
L50 18 L2 (15A)L38

FILE 'LIFESCI'
L51 19 L3 (15A)L39

FILE 'BIOTECHDS'
L52 13 L4 (15A)L40

FILE 'BIOSIS'
L53 15 L5 (15A)L41

FILE 'EMBASE'
L54 18 L6 (15A)L42

FILE 'HCAPLUS'
L55 67 L7 (15A)L43

FILE 'NTIS'
L56 0 L8 (15A)L44

FILE 'ESBIOBASE'
L57 19 L9 (15A)L45

FILE 'BIOTECHNO'
L58 14 L10(15A)L46

FILE 'WPIDS'
L59 22 L11(15A)L47

TOTAL FOR ALL FILES
L60 224 L12(15A) L48

=> S 124 and 148
FILE 'MEDLINE'
L61 0 L13 AND L37

FILE 'SCISEARCH'
L62 0 L14 AND L38

FILE 'LIFESCI'
L63 0 L15 AND L39

FILE 'BIOTECHDS'
L64 0 L16 AND L40

FILE 'BIOSIS'
L65 0 L17 AND L41

FILE 'EMBASE'
L66 0 L18 AND L42

FILE 'HCAPLUS'
L67 1 L19 AND L43

FILE 'NTIS'

L68 0 L20 AND L44

FILE 'ESBIOBASE'
L69 0 L21 AND L45

FILE 'BIOTECHNO'
L70 0 L22 AND L46

FILE 'WPIDS'
L71 0 L23 AND L47

TOTAL FOR ALL FILES
L72 1 L24 AND L48

=> s transcription factor#

FILE 'MEDLINE'
258943 TRANSCRIPTION
2348595 FACTOR#
L73 111751 TRANSCRIPTION FACTOR#
(TRANSCRIPTION (W) FACTOR#)

FILE 'SCISEARCH'
206396 TRANSCRIPTION
1427129 FACTOR#
L74 81271 TRANSCRIPTION FACTOR#
(TRANSCRIPTION (W) FACTOR#)

FILE 'LIFESCI'
107369 "TRANSCRIPTION"
316139 FACTOR#
L75 38065 TRANSCRIPTION FACTOR#
("TRANSCRIPTION" (W) FACTOR#)

FILE 'BIOTECHDS'
18133 TRANSCRIPTION
40511 FACTOR#
L76 2710 TRANSCRIPTION FACTOR#
(TRANSCRIPTION (W) FACTOR#)

FILE 'BIOSIS'
227433 TRANSCRIPTION
1311229 FACTOR#
L77 71496 TRANSCRIPTION FACTOR#
(TRANSCRIPTION (W) FACTOR#)

FILE 'EMBASE'
245233 "TRANSCRIPTION"
1241098 FACTOR#
L78 73472 TRANSCRIPTION FACTOR#
("TRANSCRIPTION" (W) FACTOR#)

FILE 'HCAPLUS'
298758 TRANSCRIPTION
1493559 FACTOR#
L79 147641 TRANSCRIPTION FACTOR#
(TRANSCRIPTION (W) FACTOR#)

FILE 'NTIS'
1946 TRANSCRIPTION
149590 FACTOR#
L80 455 TRANSCRIPTION FACTOR#
(TRANSCRIPTION (W) FACTOR#)

FILE 'ESBIOBASE'

119145 TRANSCRIPTION
464688 FACTOR#
L81 52558 TRANSCRIPTION FACTOR#
(TRANSCRIPTION (W) FACTOR#)

FILE 'BIOTECHNO'
160885 TRANSCRIPTION
296524 FACTOR#
L82 41412 TRANSCRIPTION FACTOR#
(TRANSCRIPTION (W) FACTOR#)

FILE 'WPIDS'
14219 TRANSCRIPTION
165106 FACTOR#
L83 2377 TRANSCRIPTION FACTOR#
(TRANSCRIPTION (W) FACTOR#)

TOTAL FOR ALL FILES
L84 623208 TRANSCRIPTION FACTOR#

=> s 124 and 184

FILE 'MEDLINE'
L85 8 L13 AND L73

FILE 'SCISEARCH'
L86 4 L14 AND L74

FILE 'LIFESCI'
L87 3 L15 AND L75

FILE 'BIOTECHDS'
L88 1 L16 AND L76

FILE 'BIOSIS'
L89 3 L17 AND L77

FILE 'EMBASE'
L90 3 L18 AND L78

FILE 'HCAPLUS'
L91 11 L19 AND L79

FILE 'NTIS'
L92 0 L20 AND L80

FILE 'ESBIOBASE'
L93 2 L21 AND L81

FILE 'BIOTECHNO'
L94 2 L22 AND L82

FILE 'WPIDS'
L95 2 L23 AND L83

TOTAL FOR ALL FILES
L96 39 L24 AND L84

=> s (136 or 160 or 172 or 196) not 2001-2005/PY

FILE 'MEDLINE'
2788014 2001-2005/PY
L97 50 (L25 OR L49 OR L61 OR L85) NOT 2001-2005/PY

FILE 'SCISEARCH'
5205317 2001-2005/PY

(20010000-20059999/PY)

L98 36 (L26 OR L50 OR L62 OR L86) NOT 2001-2005/PY

FILE 'LIFESCI'
505761 2001-2005/PY

L99 32 (L27 OR L51 OR L63 OR L87) NOT 2001-2005/PY

FILE 'BIOTECHDS'
117601 2001-2005/PY

L100 21 (L28 OR L52 OR L64 OR L88) NOT 2001-2005/PY

FILE 'BIOSIS'
2540926 2001-2005/PY

L101 42 (L29 OR L53 OR L65 OR L89) NOT 2001-2005/PY

FILE 'EMBASE'
2386957 2001-2005/PY

L102 34 (L30 OR L54 OR L66 OR L90) NOT 2001-2005/PY

FILE 'HCAPLUS'
5249940 2001-2005/PY

L103 79 (L31 OR L55 OR L67 OR L91) NOT 2001-2005/PY

FILE 'NTIS'
77832 2001-2005/PY

L104 0 (L32 OR L56 OR L68 OR L92) NOT 2001-2005/PY

FILE 'ESBIOBASE'
1460326 2001-2005/PY

L105 26 (L33 OR L57 OR L69 OR L93) NOT 2001-2005/PY

FILE 'BIOTECHNO'
368875 2001-2005/PY

L106 35 (L34 OR L58 OR L70 OR L94) NOT 2001-2005/PY

FILE 'WPIDS'
4620230 2001-2005/PY

L107 7 (L35 OR L59 OR L71 OR L95) NOT 2001-2005/PY

TOTAL FOR ALL FILES

L108 362 (L36 OR L60 OR L72 OR L96) NOT 2001-2005/PY

=> dup rem l108
PROCESSING COMPLETED FOR L108

L109 126 DUP REM L108 (236 DUPLICATES REMOVED)

=> d tot

L109 ANSWER 1 OF 126 BIOTECHDS COPYRIGHT 2005 THE THOMSON CORP. on STN
TI Hygromycin-tolerant gene with CTG codon modified into
leucine codon, applicable as selection marker in
yeast of Candida genus providing transformants for efficient production
of e.g. dicarboxylic acid;
plasmid pUCARS-HGM-mediated gene transfer and expression in Candida
tropicalis

AU Tanaka A; Ueda M; Hara A; Misawa A
AN 2001-04352 BIOTECHDS
PI WO 2000075307 14 Dec 2000

L109 ANSWER 2 OF 126 BIOTECHDS COPYRIGHT 2005 THE THOMSON CORP. on STN
TI Constructing synthetic polynucleotide for targeting
expression of gene to particular cells or tissues, involves
substituting one or more codons or parent polynucleotide encoding protein
with a synonymous codon;

plasmid pAOV2-mediated gene transfer and expression in Escherichia coli or transgenic plant using Agrobacterium sp. for gene targeting

AU Zhou J; Frazer I H; Botella Mesa J R
AN 2000-12546 BIOTECHDS
PI WO 2000042190 20 Jul 2000

L109 ANSWER 3 OF 126 BIOTECHDS COPYRIGHT 2005 THE THOMSON CORP. on STN
TI Genotype analysis method, defined as SOMA (short oligonucleotide mass analysis), of short, defined amplication products using electro-spray ionization mass spectrometry, useful for analyzing the genotype of living organisms;

for human genotyping and polymorphism detection using DNA primer

AU Laken S J; Vogelstein B; Kinzler K W; Groopman J D; Jackson P E; Friesen M D
AN 2000-11281 BIOTECHDS
PI WO 2000031300 2 Jun 2000

L109 ANSWER 4 OF 126 BIOTECHDS COPYRIGHT 2005 THE THOMSON CORP. on STN

TI **Modified synthetic DNA sequences**
comprise **modification** of the truncated cry9Aa **gene** of **Bacillus thuringiensis** for improved insect control in plants;

transgenic plant construction with improved disease-resistance

AU Kuvshinov V; Kanerva A; Koivu K; Pehu E
AN 2000-06780 BIOTECHDS
PI WO 2000011025 2 Mar 2000

L109 ANSWER 5 OF 126 HCAPLUS COPYRIGHT 2005 ACS on STN

TI Recombinant bioadhesive protein analogs comprising hydroxyproline
SO PCT Int. Appl., 52 pp.
CODEN: PIXXD2

IN Paolella, David N.; Gruskin, Elliott A.; Buechter, Douglas D.
AN 2000:191212 HCAPLUS

DN 132:232726

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI WO 2000015789	A1	20000323	WO 1999-US20463	19990907
	W: AL, AM, AT, AU, AZ, BB, BG, BR, BY, CA, CH, CN, CZ, DE, DK, EE, ES, FI, GB, GE, HU, IL, IS, JP, KE, KG, KP, KR, KZ, LK, LR, LS, LT, LU, LV, MD, MG, MK, MN, MW, MX, NO, NZ, PL, PT, RO, RU, SD, SE, SG, SI, SK, TJ, TM, TR, TT, UA, UG, UZ, VN RW: AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE			
AU 9959100	A1	20000403	AU 1999-59100	19990907

L109 ANSWER 6 OF 126 HCAPLUS COPYRIGHT 2005 ACS on STN

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CODEN: MBEVEO; ISSN: 0737-4038

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DN 133:247903

L109 ANSWER 7 OF 126 HCAPLUS COPYRIGHT 2005 ACS on STN

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CODEN: BIJOAK; ISSN: 0264-6021

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AN 2000:353993 HCAPLUS

DN 133:162024

L109 ANSWER 8 OF 126 HCAPLUS COPYRIGHT 2005 ACS on STN
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L109 ANSWER 9 OF 126 HCAPLUS COPYRIGHT 2005 ACS on STN
TI Design and cloning of a **modified synthetic**
gene for flounder antifreeze peptide
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CODEN: NDZKEJ; ISSN: 1000-1638
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DN 134:83664

L109 ANSWER 10 OF 126 MEDLINE on STN DUPLICATE 2
TI Complete nucleotide sequence and characterization of pSNA1 from
pimaricin-producing *Streptomyces natalensis* that replicates by a rolling
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L109 ANSWER 11 OF 126 Elsevier BIOBASE COPYRIGHT 2005 Elsevier Science B.V.
on STN
AN 2000221942 ESBIOBASE
TI Minicircular plastid DNA in the dinoflagellate *Amphidinium operculatum*
AU Barbrook A.C.; Howe C.J.
CS A.C. Barbrook, Department of Biochemistry, Cambridge Ctr. Molec.
Recognition, University of Cambridge, Tennis Court Road, Cambridge CB2
1QW, United Kingdom.
E-mail: acb18@mole.bio.cam.ac.uk
SO Molecular and General Genetics, (2000), 263/1 (152-158), 22 reference(s)
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DT Journal; Article
CY Germany, Federal Republic of
LA English
SL English

L109 ANSWER 12 OF 126 HCAPLUS COPYRIGHT 2005 ACS on STN
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transgenic insect; a review

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L109 ANSWER 15 OF 126 MEDLINE on STN DUPLICATE 4
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L109 ANSWER 16 OF 126 MEDLINE on STN DUPLICATE 5
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L109 ANSWER 17 OF 126 BIOTECHDS COPYRIGHT 2005 THE THOMSON CORP. on STN
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poly(A)site;
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L109 ANSWER 18 OF 126 BIOTECHDS COPYRIGHT 2005 THE THOMSON CORP. on STN
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dalapon;
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L109 ANSWER 19 OF 126 WPIDS COPYRIGHT 2005 THE THOMSON CORP on STN
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PI WO 9913089 A1 19990318 (199921)* EN 34 C12N015-56
RW: AT BE CH CY DE DK EA ES FI FR GB GH GM GR IE IT KE LS LU MC MW NL
OA PT SD SE SZ UG ZW
W: AL AM AT AU AZ BA BB BG BR BY CA CH CN CU CZ DE DK EE ES FI GB GE
GH GM HR HU ID IL IS JP KE KG KP KR KZ LC LK LR LS LT LU LV MD MG
MK MN MW MX NO NZ PL PT RO RU SD SE SG SI SK SL TJ TM TR TT UA UG
US UZ VN YU ZW
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L109 ANSWER 20 OF 126 WPIDS COPYRIGHT 2005 THE THOMSON CORP on STN
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L109 ANSWER 22 OF 126 Elsevier BIOBASE COPYRIGHT 2005 Elsevier Science B.V. on STN
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CS K.H. Wolfe, Department of Genetics, University of Dublin, Trinity College, Dublin 2, Ireland.
E-mail: khwolfe@tcd.ie
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CODEN: NARHAD ISSN: 0305-1048
DT Journal; Article
CY United Kingdom
LA English
SL English

L109 ANSWER 23 OF 126 MEDLINE on STN DUPLICATE 6
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CODEN: JOHYD3; ISSN: 0263-6352
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 PATENT NO. KIND DATE APPLICATION NO. DATE

 PI WO 9835029 A1 19980813 WO 1998-US2341 19980206
 W: AU, CA, IL, JP
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L109 ANSWER 30 OF 126 LIFESCI COPYRIGHT 2005 CSA on STN DUPLICATE 9
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AN 95:119906 LIFESCI

L109 ANSWER 66 OF 126 EMBASE COPYRIGHT (c) 2005 Elsevier B.V. All rights reserved on STN DUPLICATE 32
TI Conserved alternative splicing patterns and splicing signals in the *drosophila* sodium channel gene *para*.
SO Genetics, (1995) Vol. 141, No. 1, pp. 203-214.
ISSN: 0016-6731 CODEN: GENTAE
AU Thackeray J.R.; Ganetzky B.
AN 95265057 EMBASE

L109 ANSWER 67 OF 126 MEDLINE on STN DUPLICATE 33
TI Codon bias in actin multigene families and effects on the reconstruction of phylogenetic relationships.
SO Journal of molecular evolution, (1995 Aug) 41 (2) 141-9.
Journal code: 0360051. ISSN: 0022-2844.
AU He M; Haymer D S
AN 95395869 MEDLINE

L109 ANSWER 68 OF 126 HCAPLUS COPYRIGHT 2005 ACS on STN
TI Characterization of two splice variants of metastasis-associated human *mts1* gene
SO Gene (1995), 159(1), 125-30
CODEN: GENED6; ISSN: 0378-1119
AU Ambartsumian, Noona; Tarabykina, Svetlana; Grigorian, Mariam; Tulchinsky, Eugene; Hulgaard, Egil; Georgiev, Georgii; Lukyanidin, Eugene
AN 1995:691903 HCAPLUS
DN 123:277397

L109 ANSWER 69 OF 126 BIOTECHDS COPYRIGHT 2005 THE THOMSON CORP. on STN
TI The molecular approaches to improve the efficiency of heterologous gene expression in *E. coli* during a high cell density fermentation; gene expression optimization in *Escherichia coli* cell culture and scale-up for improved recombinant product preparation (conference abstract)
SO Abstr. Pap. Am. Chem. Soc.; (1995) 209 Meet., Pt.1, BIOT078
CODEN: ACSRAL ISSN: 0065-7727
209th ACS National Meeting, Anaheim, CA, 2-6 April, 1995.
AU Tsai L

AN 1995-12952 BIOTECHDS

L109 ANSWER 70 OF 126 SCISEARCH COPYRIGHT (c) 2005 The Thomson Corporation
on STN
TI CHARACTERIZATION OF PILIN GENES FROM 7 SEROLOGICALLY DEFINED PROTOTYPE
STRAINS OF MORAXELLA-BOVIS
SO JOURNAL OF BACTERIOLOGY, (AUG 1994) Vol. 176, No. 16, pp. 4875-4882.
ISSN: 0021-9193.
AU ATWELL J L (Reprint); TENNENT J M; LEPPER A W D; ELLEMAN T C
AN 1994:496979 SCISEARCH

L109 ANSWER 71 OF 126 MEDLINE on STN DUPLICATE 34
TI Polypurine sequences within a downstream exon function as a splicing
enhancer.
SO Molecular and cellular biology, (1994 Feb) 14 (2) 1347-54.
Journal code: 8109087. ISSN: 0270-7306.
AU Tanaka K; Watakabe A; Shimura Y
AN 94119085 MEDLINE

L109 ANSWER 72 OF 126 MEDLINE on STN DUPLICATE 35
TI Synonymous codon usage in *Drosophila melanogaster*: natural selection and
translational accuracy.
SO Genetics, (1994 Mar) 136 (3) 927-35.
Journal code: 0374636. ISSN: 0016-6731.
AU Akashi H
AN 94274043 MEDLINE

L109 ANSWER 73 OF 126 MEDLINE on STN DUPLICATE 36
TI Importance of **codon preference** for production of human
RAP74 and reconstitution of the RAP30/74 complex.
SO Protein expression and purification, (1994 Oct) 5 (5) 476-85.
Journal code: 9101496. ISSN: 1046-5928.
AU Wang B Q; Lei L; Burton Z F
AN 95128184 MEDLINE

L109 ANSWER 74 OF 126 MEDLINE on STN DUPLICATE 37
TI Chronic mild acidosis specifically reduces functional expression of
N-methyl-D-aspartate receptors and increases long-term survival in primary
cultures of cerebellar granule cells.
SO Neuroscience, (1994 Nov) 63 (2) 457-70.
Journal code: 7605074. ISSN: 0306-4522.
AU Leahy J C; Chen Q; Vallano M L
AN 95198892 MEDLINE

L109 ANSWER 75 OF 126 HCAPLUS COPYRIGHT 2005 ACS on STN
TI Characterization of the gene encoding dihydroflavonol 4-reductase in
tomato
SO Gene (1994), 138(1-2), 153-7
CODEN: GENED6; ISSN: 0378-1119
AU Bongue-Bartelsman, Monica; O'Neill, Sharman D.; Tong, Yusen; Yoder, John
I.
AN 1994:237347 HCAPLUS
DN 120:237347

L109 ANSWER 76 OF 126 MEDLINE on STN DUPLICATE 38
TI Codon usage adaptation in the ferredoxin-NADP+ oxidoreductase of
Cyanophora paradoxa upon translocation from cyanoplast to nucleus.
SO Gene, (1994 Aug 19) 146 (1) 123-7.
Journal code: 7706761. ISSN: 0378-1119.
AU Luttke A; Maier T L; Schenk H E
AN 94341560 MEDLINE

L109 ANSWER 77 OF 126 SCISEARCH COPYRIGHT (c) 2005 The Thomson Corporation
on STN

TI CHARACTERIZATION OF T48, A TARGET OF HOMEOTIC GENE-REGULATION IN DROSOPHILA EMBRYOGENESIS
 SO MECHANISMS OF DEVELOPMENT, (APR 1994) Vol. 46, No. 1, pp. 27-39.
 ISSN: 0925-4773.
 AU STRUTT D I (Reprint); WHITE R A H
 AN 1994:355035 SCISEARCH

L109 ANSWER 78 OF 126 BIOTECHDS COPYRIGHT 2005 THE THOMSON CORP. on STN
 TI Altering specificity and efficiency of enzyme;
 e.g. L-lactate-dehydrogenase enzyme engineering method; enzyme
 application in stereospecific 2-oxo-4-phenylpropionic acid or
 4-methyl-2-oxo-3-pentenoic acid reduction
 AN 1993-12450 BIOTECHDS
 PI WO 9315208 5 Aug 1993

L109 ANSWER 79 OF 126 BIOTECHDS COPYRIGHT 2005 THE THOMSON CORP. on STN
 TI Synthetic DNA encoding gelonin plant toxin;
 artificial gene for e.g. immunotoxin fusion protein production using a
 plasmid pKK223-3 or plasmid pKC30 vector in e.g. Escherichia coli,
 Pseudomonas sp., Bacillus sp., etc.
 AN 1993-06270 BIOTECHDS
 PI WO 9305168 18 Mar 1993

L109 ANSWER 80 OF 126 WPIDS COPYRIGHT 2005 THE THOMSON CORP on STN
 TI DNA coding for eucaryotic cell initiation factor 2-alpha kinase - used for
 regulation of cell proliferation and differentiation, for treating cancer
 and psoriasis.
 PI JP 05260981 A 19931012 (199345)* 20 C12N015-54
 US 5525513 A 19960611 (199629) 24 C12N015-54
 US 5690930 A 19971125 (199802) 21 A61K038-45
 IN CHEN, J; LONDON, I M

L109 ANSWER 81 OF 126 MEDLINE on STN DUPLICATE 39
 TI The dihydrofolate reductase domain of Plasmodium falciparum thymidylate
 synthase-dihydrofolate reductase. Gene synthesis, expression, and
 anti-folate-resistant mutants.
 SO Journal of biological chemistry, (1993 Oct 15) 268 (29) 21637-44.
 Journal code: 2985121R. ISSN: 0021-9258.
 AU Sirawaraporn W; Prapunwattana P; Sirawaraporn R; Yuthavong Y; Santi D V
 AN 94012742 MEDLINE

L109 ANSWER 82 OF 126 MEDLINE on STN
 TI Selection of CUG and AUG initiator codons for Drosophila E74A translation
 depends on downstream sequences.
 SO Proceedings of the National Academy of Sciences of the United States of
 America, (1993 Oct 1) 90 (19) 9164-7.
 Journal code: 7505876. ISSN: 0027-8424.
 AU Boyd L; Thummel C S
 AN 94022335 MEDLINE

L109 ANSWER 83 OF 126 MEDLINE on STN DUPLICATE 40
 TI Purification and characterization of recombinant-expressed cytochrome P450
 2C3 from Escherichia coli: 2C3 encodes the 6 beta-hydroxylase deficient
 form of P450 3b.
 SO Archives of biochemistry and biophysics, (1993 Jan) 300 (1) 510-6.
 Journal code: 0372430. ISSN: 0003-9861.
 AU Richardson T H; Hsu M H; Kronbach T; Barnes H J; Chan G; Waterman M R;
 Kemper B; Johnson E F
 AN 93143360 MEDLINE

L109 ANSWER 84 OF 126 LIFESCI COPYRIGHT 2005 CSA on STN DUPLICATE 41
 TI Bacteriophage T7 RNA polymerase: super(19)F-nuclear magnetic resonance
 observations at 5-fluorouracil-substituted promoter DNA and RNA transcript
 SO J. MOL. BIOL., (1993) vol. 232, no. 1, pp. 105-122.

ISSN: 0022-2836.
AU Rastinejad, F.; Lu, P.*
AN 94:11841 LIFESCI

L109 ANSWER 85 OF 126 MEDLINE on STN
TI Combination of DNA single strand synthesis with PCR to construct mung bean trypsin inhibitor gene.
SO Chinese journal of biotechnology, (1993) 9 (1) 63-70.
Journal code: 9100855. ISSN: 1042-749X.
AU Chen C; Mao J; Zhang M; Dai J
AN 94207145 MEDLINE

L109 ANSWER 86 OF 126 HCAPLUS COPYRIGHT 2005 ACS on STN
TI Synthesis of mung bean trypsin inhibitor by the combination of the single stranded method and PCR
SO Shengwu Gongcheng Xuebao (1993), 9(1), 54-60
CODEN: SGXUED; ISSN: 1000-3061
AU Chen, Changqing; Mao, Jifang; Zhang, Manfang; Dai, Jinfong
AN 1993:464212 HCAPLUS
DN 119:64212

L109 ANSWER 87 OF 126 BIOTECHDS COPYRIGHT 2005 THE THOMSON CORP. on STN
TI Analysis of **codon** pair **preference** for organism;
relative codon usage determination for enhanced recombinant protein preparation, artificial gene construction, source strain identification, translation pause site introduction, etc.
AN 1992-04301 BIOTECHDS
PI US 5082767 21 Jan 1992

L109 ANSWER 88 OF 126 HCAPLUS COPYRIGHT 2005 ACS on STN
TI Computer-aided gene design
SO Protein Engineering (1992), 5(8), 821-5
CODEN: PRENE9; ISSN: 0269-2139
AU Libertini, Giacinto; Di Donato, Alberto
AN 1993:117657 HCAPLUS
DN 118:117657

L109 ANSWER 89 OF 126 MEDLINE on STN DUPLICATE 43
TI High-level production of active HIV-1 protease in Escherichia coli.
SO Gene, (1992 Dec 15) 122 (2) 263-9.
Journal code: 7706761. ISSN: 0378-1119.
AU Rangwala S H; Finn R F; Smith C E; Berberich S A; Salsgiver W J; Stallings W C; Glover G I; Olins P O
AN 93138395 MEDLINE

L109 ANSWER 90 OF 126 MEDLINE on STN DUPLICATE 44
TI Translation of the first gene of the Escherichia coli unc operon.
Selection of the start **codon** and control of initiation efficiency.
SO Journal of biological chemistry, (1991 Nov 5) 266 (31) 21090-8.
Journal code: 2985121R. ISSN: 0021-9258.
AU Schneppel B; Deckers-Hebestreit G; McCarthy J E; Altendorf K
AN 92041981 MEDLINE

L109 ANSWER 91 OF 126 HCAPLUS COPYRIGHT 2005 ACS on STN
TI mRNA leader length and initiation codon context determine **alternative** AUG selection for the yeast **gene** MOD5
SO Proceedings of the National Academy of Sciences of the United States of America (1991), 88(21), 9789-93
CODEN: PNASA6; ISSN: 0027-8424
AU Slusher, Leslie B.; Gillman, Edwin C.; Martin, Nancy C.; Hopper, Anita K.
AN 1992:1612 HCAPLUS
DN 116:1612

L109 ANSWER 92 OF 126 BIOTECHNO COPYRIGHT 2005 Elsevier Science B.V. on STN
TI Utilization of DNA recombination for the two-step replacement of growth
factor sequences in the vaccinia virus genome
SO Journal of Virology, (1991), 65/9 (4609-4618)
CODEN: JOVIAM ISSN: 0022-538X
AU Spyropoulos D.D.; Stallard V.; Roberts B.E.; Cohen L.K.
AN 1991:21323929 BIOTECHNO

L109 ANSWER 93 OF 126 HCAPLUS COPYRIGHT 2005 ACS on STN
TI Codon utilization in the pathogenic yeast, *Candida albicans*
SO Nucleic Acids Research (1991), 19(15), 4298
CODEN: NARHAD; ISSN: 0305-1048
AU Brown, Alistair J. P.; Bertram, Gwyneth; Feldmann, Pascale J. F.; Peggie,
Mark W.; Swoboda, Rolf K.
AN 1991:600069 HCAPLUS
DN 115:200069

L109 ANSWER 94 OF 126 MEDLINE on STN DUPLICATE 45
TI A Macintosh computer program for designing DNA sequences that code for
specific peptides and proteins.
SO BioTechniques, (1991 Jun) 10 (6) 782-4.
Journal code: 8306785. ISSN: 0736-6205.
AU Tamura T; Holbrook S R; Kim S H
AN 91345888 MEDLINE

L109 ANSWER 95 OF 126 HCAPLUS COPYRIGHT 2005 ACS on STN
TI Activity of promoter mutants of the yeast ribosomal RNA gene with and
without the enhancer
SO Yeast (1991), 7(7), 679-89
CODEN: YESTE3; ISSN: 0749-503X
AU Butlin, Mike; Quincey, Roger
AN 1991:649452 HCAPLUS
DN 115:249452

L109 ANSWER 96 OF 126 SCISEARCH COPYRIGHT (c) 2005 The Thomson Corporation
on STN DUPLICATE 46
TI **ALTERATION IN THE -10 SEQUENCE OF THE A2
PROMOTER OF BACTERIOPHAGE T7 REDUCES THE RATE OF
TRANSCRIPTION INITIATION**
SO CURRENT SCIENCE, (25 MAY 1991) Vol. 60, No. 9-10, pp. 594-596.
ISSN: 0011-3891.
AU KUMAR K P (Reprint); GOPAL V; CHATTERJI D
AN 1991:480202 SCISEARCH

L109 ANSWER 97 OF 126 HCAPLUS COPYRIGHT 2005 ACS on STN
TI Production of bovine insulin-like growth factor 2 (bIGF2) in *Escherichia
coli*
SO Gene (1991), 101(2), 291-5
CODEN: GENED6; ISSN: 0378-1119
AU Easton, Alan M.; Gierse, James K.; Seetharam, Ramnath; Klein, Barbara K.;
Kotts, Claire E.
AN 1992:52779 HCAPLUS
DN 116:52779

L109 ANSWER 98 OF 126 HCAPLUS COPYRIGHT 2005 ACS on STN
TI Optimization of the signal-sequence cleavage site for secretion from
Bacillus subtilis of a 34-amino acid fragment of human parathyroid hormone
SO Gene (1991), 102(2), 277-82
CODEN: GENED6; ISSN: 0378-1119
AU Saunders, Charles W.; Pedroni, Julia A.; Monahan, Paula M.
AN 1992:1654 HCAPLUS
DN 116:1654

L109 ANSWER 99 OF 126 BIOTECHDS COPYRIGHT 2005 THE THOMSON CORP. on STN

TI Strategy for constructing **synthetic genes** for efficient expression in bacteria;
e.g. human interleukin-2 artificial gene construction and expression in *Escherichia coli* (conference paper)

SO Biol. Recombinant Microorg. Anim. Cells; (1991) Ohalo 34 Meet., 83-89

AU Leitner M; Cohen S; Lion M; Flashner Y; Katzir N; Grosfeld H

AN 1992-06041 BIOTECHDS

L109 ANSWER 100 OF 126 BIOTECHNO COPYRIGHT 2005 Elsevier Science B.V. on STN

TI Identification and characterization of two upstream elements that regulate adrenocortical expression of steroid 11 β -hydroxylase

SO Molecular Endocrinology, (1990), 4/6 (845-850)
CODEN: MOENEN ISSN: 0888-8809

AU Bogerd A.M.; Franklin A.; Rice D.A.; Schimmer B.P.; Parker K.L.

AN 1990:20351992 BIOTECHNO

L109 ANSWER 101 OF 126 BIOTECHDS COPYRIGHT 2005 THE THOMSON CORP. on STN

TI Chemo-enzymatic synthesis of optically pure 1-leucovorin, an augmentor of 5-fluorouracil cytotoxicity against cancer;
Escherichia coli dihydrofolate-reductase and *Gluconobacter scleroideus* glucose-dehydrogenase; NADPH coenzyme regeneration; potential mamma and colon tumor therapy

SO Biochem. Biophys. Res. Commun.; (1990) 171, 2, 684-89
CODEN: BBRCA9

AU Uwajima T; Oshiro T; Eguchi T; Kuge Y; Horiguchi A; Igarashi A

AN 1990-13492 BIOTECHDS

L109 ANSWER 102 OF 126 HCAPLUS COPYRIGHT 2005 ACS on STN

TI Gene synthesis of substance P N-terminal (1-5)

SO Zeitschrift fuer Chemie (1990), 30(7), 253
CODEN: ZECEAL; ISSN: 0044-2402

AU Meister, Walter Vesely; Birch-Hirschfeld, Eckhard; Reinert, Hilmar; Hoffmann, Siegfried

AN 1990:606189 HCAPLUS

DN 113:206189

L109 ANSWER 103 OF 126 MEDLINE on STN DUPLICATE 47

TI Splice junction mutations in a yeast tRNA gene which alter the rate and precision of processing.

SO Biochimica et biophysica acta, (1990 Apr 6) 1048 (2-3) 156-64.
Journal code: 0217513. ISSN: 0006-3002.

AU Chambers J; Raymond G J; Kim D; Raymond K C; Nelson C; Clark S; Johnson J D

AN 90212645 MEDLINE

L109 ANSWER 104 OF 126 BIOTECHDS COPYRIGHT 2005 THE THOMSON CORP. on STN

TI Synthesis and degradation of bovine insulin-like growth factor-2 in *E. coli*;
gene cloning and expression in *Escherichia coli* (conference abstract)

SO Abstr. Pap. Am. Chem. Soc.; (1990) 200 Meet., Pt.1, BIOT97
CODEN: ACSRAL

AU Easton A M; Francis G R

AN 1991-03810 BIOTECHDS

L109 ANSWER 105 OF 126 MEDLINE on STN

TI Mutations in the structural genes for eukaryotic initiation factors 2 alpha and 2 beta of *Saccharomyces cerevisiae* disrupt translational control of GCN4 mRNA.

SO Proceedings of the National Academy of Sciences of the United States of America, (1989 Oct) 86 (19) 7515-9.
Journal code: 7505876. ISSN: 0027-8424.

AU Williams N P; Hinnebusch A G; Donahue T F

AN 90017508 MEDLINE

L109 ANSWER 106 OF 126 MEDLINE on STN DUPLICATE 48
TI Codon contexts from weakly expressed genes reduce expression in vivo.
SO Journal of molecular biology, (1989 Oct 5) 209 (3) 359-78.
Journal code: 2985088R. ISSN: 0022-2836.
AU Folley L S; Yarus M
AN 90064499 MEDLINE

L109 ANSWER 107 OF 126 BIOTECHDS COPYRIGHT 2005 THE THOMSON CORP. on STN
TI Construction of linker-scanning mutations using a kanamycin-resistance cassette with multiple symmetric restriction sites; linker-scanning site-directed mutagenesis method using a DNA cassette in the plasmid pKlink vector, e.g. mouse dihydrofolate-reductase gene promoter DNA sequence variant construction
SO Gene; (1989) 84, 1, 159-64
CODEN: GENED6
AU Smith M L; *Crouse G F
AN 1990-05453 BIOTECHDS

L109 ANSWER 108 OF 126 MEDLINE on STN DUPLICATE 49
TI Definition of cis-acting elements regulating expression of the Drosophila melanogaster ninaE opsin gene by oligonucleotide-directed mutagenesis.
SO Genetics, (1989 Jan) 121 (1) 77-87.
Journal code: 0374636. ISSN: 0016-6731.
AU Mismar D; Rubin G M
AN 89137954 MEDLINE

L109 ANSWER 109 OF 126 WPIDS COPYRIGHT 2005 THE THOMSON CORP on STN
TI New bio-active peptide - containing specific amino acid sequence and having tumour necrosis factor antitumour activity.
PI JP 63164898 A 19880708 (198833)* 19

L109 ANSWER 110 OF 126 MEDLINE on STN DUPLICATE 50
TI Protein engineering of antibody binding sites: recovery of specific activity in an anti-digoxin single-chain Fv analogue produced in Escherichia coli.
SO Proceedings of the National Academy of Sciences of the United States of America, (1988 Aug) 85 (16) 5879-83.
Journal code: 7505876. ISSN: 0027-8424.
AU Huston J S; Levinson D; Mudgett-Hunter M; Tai M S; Novotny J; Margolies M N; Ridge R J; Bruckolieri R E; Haber E; Crea R; +
AN 88320347 MEDLINE

L109 ANSWER 111 OF 126 LIFESCI COPYRIGHT 2005 CSA on STN
TI Sequence differences upstream of the promoters are involved in the differential expression of the Xenopus somatic and oocyte 5S RNA genes.
SO NUCLEIC ACIDS RES., (1988) vol. 16, no. 8, pp. 3391-3404.
AU Reynolds, W.F.; Azer, K.
AN 88:64284 LIFESCI

L109 ANSWER 112 OF 126 BIOTECHNO COPYRIGHT 2005 Elsevier Science B.V. on STN
TI cis-Acting intron mutations that affect the efficiency of avian retroviral RNA splicing: Implication for mechanisms of control
SO Journal of Virology, (1988), 62/8 (2686-2695)
CODEN: JOVIAM ISSN: 0022-538X
AU Katz R.A.; Kotler M.; Skalka A.M.
AN 1988:18193862 BIOTECHNO

L109 ANSWER 113 OF 126 MEDLINE on STN DUPLICATE 51
TI Chemical synthesis and cloning of secretin gene.
SO Scientia Sinica. Series B, Chemical, biological, agricultural, medical & earth sciences / Chung-kuo k'o hsueh yuan, chu pan, (1988 Jun) 31 (6) 687-94.
Journal code: 8209875. ISSN: 0253-5823.

AU Qian S W; Chen C Q; Li Z P
AN 89114391 MEDLINE

L109 ANSWER 114 OF 126 MEDLINE on STN DUPLICATE 52
TI Sequence specificity of mutations induced by benzo[a]pyrene-7,8-diol-9,10-epoxide at endogenous aprt gene in CHO cells.
SO Somatic cell and molecular genetics, (1988 Jul) 14 (4) 393-400.
Journal code: 8403568. ISSN: 0740-7750.
AU Mazur M; Glickman B W
AN 88290826 MEDLINE

L109 ANSWER 115 OF 126 MEDLINE on STN DUPLICATE 53
TI Influence of the codon following the AUG initiation codon on the expression of a **modified lacZ gene** in Escherichia coli.
SO EMBO journal, (1987 Aug) 6 (8) 2489-92.
Journal code: 8208664. ISSN: 0261-4189.
AU Looman A C; Bodlaender J; Comstock L J; Eaton D; Jhurani P; de Boer H A; van Knippenberg P H
AN 88029345 MEDLINE

L109 ANSWER 116 OF 126 MEDLINE on STN
TI Expression of mouse dihydrofolate reductase gene confers methotrexate resistance in transgenic petunia plants.
SO Somatic cell and molecular genetics, (1987 Jan) 13 (1) 67-76.
Journal code: 8403568. ISSN: 0740-7750.
AU Eichholtz D A; Rogers S G; Horsch R B; Klee H J; Hayford M; Hoffmann N L; Bradford S B; Fink C; Flick J; O'Connell K M; +
AN 87120552 MEDLINE

L109 ANSWER 117 OF 126 MEDLINE on STN DUPLICATE 54
TI Cloning of a portion of the chromosomal gene for human erythrocyte alpha-spectrin by using a **synthetic gene** fragment.
SO Proceedings of the National Academy of Sciences of the United States of America, (1986 Apr) 83 (8) 2397-401.
Journal code: 7505876. ISSN: 0027-8424.
AU Linnenbach A J; Speicher D W; Marchesi V T; Forget B G
AN 86205962 MEDLINE

L109 ANSWER 118 OF 126 HCPLUS COPYRIGHT 2005 ACS on STN
TI Evolution of the growth hormone gene family
SO American Zoologist (1986), 26(4), 939-49
CODEN: AMZOAF; ISSN: 0003-1569
AU Slater, Emily P.; Baxter, John D.; Eberhardt, Norman L.
AN 1987:61857 HCPLUS
DN 106:61857

L109 ANSWER 119 OF 126 BIOTECHDS COPYRIGHT 2005 THE THOMSON CORP. on STN
TI Production of human alpha consensus interferon in recombinant Escherichia coli;
high level expression system regulation and controlled feeding schedule application
SO Chem.Eng.Commun.; (1986) 45, 1-6, 229-40
CODEN: CEGCAK
AU Fieschko J; Ritch T
AN 1987-06777 BIOTECHDS

L109 ANSWER 120 OF 126 HCPLUS COPYRIGHT 2005 ACS on STN
TI Microbial expression of type I transforming growth factor, its polypeptide analogs and hybrid EGF/TGF polypeptides
SO PCT Int. Appl., 40 pp.
CODEN: PIXXD2
IN Banks, Allen R.; Hare, David L.
AN 1985:555264 HCPLUS

DN	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	WO 8502198 W: JP JP 61500250 EP 150572 R: AT, BE, CH, DE, FR, GB, IT, LI, LU, NL, SE	A1 T2 A1	19850523 19860220 19850807	WO 1984-US1747 JP 1984-504146 EP 1984-307490	19841030 19841030 19841031

L109 ANSWER 121 OF 126 MEDLINE on STN DUPLICATE 56
 TI Expression of a **synthetic** human growth hormone **gene** in yeast.
 SO Gene, (1985) 39 (1) 117-20.
 Journal code: 7706761. ISSN: 0378-1119.
 AU Tokunaga T; Iwai S; Gomi H; Kodama K; Ohtsuka E; Ikehara M; Chisaka O; Matsubara K
 AN 86083187 MEDLINE

L109 ANSWER 122 OF 126 HCPLUS COPYRIGHT 2005 ACS on STN
 TI DNA sequences, recombinant DNA molecules and processes for producing bovine growth hormone-like polypeptides in high yield
 SO Eur. Pat. Appl., 31 pp.
 CODEN: EPXXDW
 IN Buell, Gary Nutter
 AN 1984:418487 HCPLUS
 DN 101:18487

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE	
PI	EP 103395 EP 103395 R: AT, BE, CH, DE, FR, GB, IT, LI, LU, NL, SE CA 1224432 ZA 8305880 US 4693973 DK 8303752 NO 8302948 AU 8318021 AU 568597 JP 59063197 HU 32154 ES 524971 DD 212982	A2 A3 A1 A A A A1 B2 A2 O A1 A5	19840321 19850522 19870721 19840425 19870915 19840218 19840220 19840223 19880107 19840410 19840628 19850101 19840829	EP 1983-304574 CA 1983-434118 ZA 1983-5880 US 1983-522357 DK 1983-3752 NO 1983-2948 AU 1983-18021 JP 1983-148857 HU 1983-2883 ES 1983-524971 DD 1983-254030	19830808 19830808 19830810 19830811 19830816 19830816 19830816 19830816 19830816 19830816 19830816 19830816 19830817

L109 ANSWER 123 OF 126 MEDLINE on STN DUPLICATE 57
 TI Complete sequence of the cDNA for human alpha 1-antitrypsin and the **gene** for the **S variant**.
 SO Biochemistry, (1984 Oct 9) 23 (21) 4828-37.
 Journal code: 0370623. ISSN: 0006-2960.
 AU Long G L; Chandra T; Woo S L; Davie E W; Kurachi K
 AN 85047190 MEDLINE

L109 ANSWER 124 OF 126 HCPLUS COPYRIGHT 2005 ACS on STN
 TI The manufacture and expression of structural genes
 SO PCT Int. Appl., 46 pp.
 CODEN: PIXXD2
 IN Stabinsky, Yitzhak
 AN 1984:133585 HCPLUS
 DN 100:133585

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE	
PI	WO 8304029 W: JP RW: AT, BE, CH, DE, FR, GB, LU, NL, SE US 4652639	A1 A	19831124 19870324	WO 1983-US563 US 1982-375493	19830415 19820506

EP 108787	A1	19840523	EP 1983-901773	19830415
EP 108787	B1	19900411		
R: AT, BE, CH, DE, FR, GB, LI, LU, NL, SE				
JP 59501096	T2	19840628	JP 1983-501807	19830415
JP 07089934	B4	19951004		
AT 51873	E	19900415	AT 1983-901773	19830415
IL 68491	A1	19900726	IL 1983-68491	19830426
CA 1266628	A1	19900313	CA 1983-427371	19830504

L109 ANSWER 125 OF 126 WPIDS COPYRIGHT 2005 THE THOMSON CORP on STN
 TI Production of genes for Escherichia coli transformation - useful in preparation of

urogastrone polypeptide and analogues.

PI WO 8304030 A 19831124 (198348)* EN 34

RW: AT BE CH DE FR GB LU NL SE

W: JP

EP 108132 A 19840516 (198421) EN

R: AT BE CH DE FR GB LI LU NL SE

CA 1214739 A 19861202 (198701)

US 4764593 A 19880816 (198835)

IL 68605 A 19910730 (199133)

IT 1212984 B 19891207 (199150)

IN BANKS, A R

L109 ANSWER 126 OF 126 MEDLINE on STN DUPLICATE 58

TI The leftward promoter of bacteriophage lambda. Structure, biological activity, and influence by adjacent regions.

SO Journal of biological chemistry, (1981 Feb 25) 256 (4) 2003-9.
 Journal code: 2985121R. ISSN: 0021-9258.

AU Horn G T; Wells R D

AN 81117294 MEDLINE

=> save temp l109 codon/a
 ANSWER SET L109 HAS BEEN SAVED AS 'CODON/A'

=> log y

COST IN U.S. DOLLARS	SINCE FILE ENTRY	TOTAL SESSION
FULL ESTIMATED COST	334.70	335.18

STN INTERNATIONAL LOGOFF AT 17:11:54 ON 07 DEC 2005